

DEPARTMENT OF THE ARMY  
HEADQUARTERS, UNITED STATES ARMY MATERIEL COMMAND  
5001 EISENHOWER AVENUE, ALEXANDRIA, VA 22333-0001

AMC REGULATION  
No. 350-11

4 March 1993

Training

SCIENTISTS AND ENGINEERS FIELD EXPERIENCE WITH  
SOLDIERS (SEFEWS) PROGRAM

Local supplementation of this regulation is prohibited unless prior approval is obtained from the proponent.

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1. Purpose. This regulation prescribes policies, responsibilities, and procedures for the Scientists and Engineers Field Experience With Soldiers (SEFEWS) Program (formerly AMC Design Engineer Field Experience with Soldiers (DEFEWS) Program). SEFEWS provides U.S. Army Materiel Command (AMC) engineers, scientists, technicians and others with foxhole level experience by permitting them to live, eat, and work alongside soldiers in an Active Army unit of the United States (U.S.) Army engaged in a field training exercise.

2. Scope. This regulation applies to all civilian personnel in AMC and to research and development (R&D) scientists and engineers in other Army commands who make application under this regulation to the SEFEWS Program Coordinator. Assignments may be with any U.S. Army major command (MACOM). Program participation is voluntary.

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\* This regulation supersedes AMC-R 350-11, 2 September 1987.

3. General. a. It is beneficial for AMC personnel engaged in or responsible for materiel/weapons R&D to acquire a first-hand knowledge of the environment in which the soldier and his/her equipment must function. The SEFEWS Program satisfies this need. This program places great emphasis on soldier/weapon/equipment interface in an actual field training exercise environment. Participants are given the opportunity to gain first-hand experience as actual members of an appropriate crew/team/squad in an Active Army unit. Typical assignments are 2 to 4 weeks in duration. Participation in all host unit training activities, including live-fire exercises is expected. It is expected that knowledge gained will be translated into design considerations and product improvements, which will eventually improve the maintainability, reliability, availability, combat performance, and overall soldier acceptability of the weapons system/materiel/equipment.

b. The SEFEWS Program is also considered a Manpower and Personnel Integration (MANPRINT) initiative. SEFEWS participants will be better prepared to make positive contributions to MANPRINT.

4. Liability. a. A SEFEWS participant is not liable for accidents resulting in damage or injury as long as he/she is doing his/her job in a reasonable manner. A participant could be liable if the damage or injury is clearly caused by his/her grossly negligent conduct.

b. Commercial life insurance policies may not be valid during SEFEWS exercises, depending upon the policy. SEFEWS participants are responsible for determining validity of their insurance policies.

5. Policies. a. Program is executed at no significant cost to host installation/unit (see paragraph 7.d).

b. Program is executed to maximize benefit to the Government. Participants are urged to achieve maximum training experience for funds expended.

c. Participants are generally limited to only one SEFEWS assignment, exceptions are at the discretion of the major subordinate commands (MSC) Commander.

6. Responsibilities. a. The Director, AMC-Field Assistance in Science and Technology (AMC-FAST) Activity, has overall responsibility within AMC for the SEFEWS Program. A SEFEWS Program Coordinator in the AMC-FAST Director's Office (Director, AMC-FAST, ATTN: AMC-FAST, Building 374, Fort Belvoir, VA 22060-5606) manages the program.

b. AMC MSCs will appoint SEFEWS points of contact (POC) to coordinate their participation in the SEFEWS Program and to interface with the AMC-FAST SEFEWS Program Coordinator.

c. Candidates are nominated for SEFEWS training by the MSC Commander or delegated authority per the procedural guidelines in paragraph 7. All related costs are paid by the nominating MSC.

7. Procedures. a. The AMC-FAST SEFEWS Program Coordinator will--

(1) Conduct all coordination with the MACOM Headquarters, and initiate coordination with host installations and units. Coordination sequence is as follows:

(a) Receive from the MSC POC the names, grades, and job titles of their SEFEWS candidates and any specific types of troop units, equipment training environment, or weapon systems experience sought. It is recognized that some MSCs have established a rapport with particular MACOM units and that they will at times make requests for a very specific host unit.

(b) Receive from the MACOM a list of host installation/units with POCs and telephone numbers, and names, dates, and locations of field training exercises, and the number of SEFEWS spaces available.

(c) Match MSC needs with MACOM availability.

(d) Contact each appropriate MSC POC and provide the name and telephone number of the host unit POC, names, dates and locations of field training exercises and number of SEFEWS spaces available to the MSC.

(2) Provide, through the MSC commander, a certificate of service (sample at [appendix C](#)) to the SEFEWS participant upon successful completion of her or his assignment and submission of a report (format in [appendix A](#)).

(3) Disseminate reports, lessons learned, and briefings reflecting experience and perceptions gained to AMC elements concerned with the particular equipment or weapons system involved. Reports will be forwarded to the host unit and to the SEFEWS POC at the MACOM Headquarters.

b. MSC POCs will--

(1) Provide all appropriate MSC personnel with SEFEWS information received from the AMC-FAST Program Coordinator.

(2) Prepare and maintain a list of candidates with specific areas of interest, equipment, or weapons systems identified consistent with appendix A, report format, paragraph 1, SEFEWS participant data.

(3) Provide guidance to obtain necessary security clearance, military clothing and equipment, temporary duty (TDY) orders, medical records, and appropriate identification (to include Department of the Army Civilian Identification Card (DA Form 1602)), as needed by the participant. See **appendix B** for recommended clothing and equipment list. TDY orders must contain approval to use government mess facilities, post exchange (PX) facilities, and for any special method of travel required to execute the assignment.

(4) Provide guidance to obtain the Army Physical Fitness Test (APFT) to SEFEWS candidates. The APFT will be administered and scored to the same standard applied to soldiers.

(5) Provide guidance to schedule a standard military physical examination (SF 88, Report of Medical Examination) for the candidate.

(6) Provide the AMC-FAST SEFEWS Program Coordinator a current list of the number and type of host units required with any special equipment or weapon systems identified.

(7) Upon receipt of the host installation/unit POC's name and telephone number, and names, dates, and locations of field training exercises, and the number of SEFEWS spaces available from the AMC-FAST Program Coordinator, contact the POC and make final coordination for the SEFEWS visit.

(8) Provide the AMC-FAST SEFEWS Program Coordinator the names of scheduled SEFEWS participants. Data to be provided as specified in appendix A, paragraphs 1 and 2.

(9) Provide the AMC-FAST SEFEWS Program Coordinator a copy of the participant's after-action report within 45 days after the completion of the SEFEWS assignment (report must be in the format of appendix A so that SEFEWS data from many participants can be correlated).

(10) Return, immediately, any unused SEFEWS spaces to the AMC-FAST SEFEWS Program Coordinator so that they may be used by other MSCs.

c. SEFEWS participants will--

(1) Secure required military clothing/equipment and become familiar with its wear, use, and care. Costs are paid by MSC per paragraph 6.c above.

(2) Obtain a medical examination with a profile suitable for the type of training to be experienced. This shall be reported on SF 88 not more than 6 months prior to the SEFEWS assignment.

(3) Prepare for and satisfactorily pass the APFT. This requirement must be met not more than 3 months prior to the SEFEWS assignment.

(4) Become familiar with the MACOM host unit's organization and equipment, doctrine, and tactics.

(5) Carry appropriate identification, medical records, orders, military clothing/equipment, and personal items, to host installation. Maintain appropriate identification on his or her person at all times.

(6) Maintain personal grooming per the requirements of the host unit.

(7) Conduct himself or herself in an appropriate, professional manner. This includes being on time; performing the same duties the soldiers do, showing proper respect for, and cooperation with, noncommissioned and commissioned officers; and generally performing in such a manner as to reflect credit upon AMC.

(8) Maintain a personal daily log of activities and events as an accurate resource to be used in preparation of the SEFEWS report.

(9) Discuss with the host unit commanding officer, operations officer, or executive officer any major issues expected to be included in the final report prior to departing host installation.

(10) Return military clothing/equipment as directed by the program officer in a clean, serviceable condition within 10 workdays after return to home duty station.

(11) Prepare an after-action report (see [appendix A](#) for format).

(12) Coordinate with AMC-FAST Science Adviser in local area, as appropriate.

d. Memorandums of Agreement between AMC and MACOMs define host unit responsibilities. It is expected that the host installations will provide--

(1) Short in and out briefings, as appropriate.

- (2) Emergency medical care.
- (3) Authorization for Department of Army (DA) civilians to ride in military vehicles, including aircraft and boats, when required by duty.
- (4) A secure storage area for personal effects during intended field training, i.e., footlocker or wall locker in the barracks, supply annex, etc.
- (5) Mail pick-up point (unit S1 or local post office).
- (6) Access to the PX/commissary and other services normally authorized to DA civilians during extended TDY.
- (7) Emergency issue of individual clothing or equipment in the event of loss, theft, damage, or destruction.
- (8) Access to Officers Club during nontraining time.
- (9) Rations, shelter, transportation, and protective field clothing and equipment that is consistent with that provided to the other members of the unit.
- (10) Administrative and safety instructions necessary to assure the safety and well-being of AMC personnel.

The proponent of this regulation is the United States Army Materiel Command. Users are invited to send comments and suggested improvements on DA Form 2028 (Recommended Changes to Publications and Blank Forms) to the Commander, HQ AMC, ATTN: AMCRM-O, 5001 Eisenhower Avenue, Alexandria, VA 22333-0001.

FOR THE COMMANDER:

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APPENDIX A

REPORT FORMAT

All individuals who participate in the SEFEWS Program will submit a report in the format outlined below. Significant comments will be forwarded to appropriate command elements and used in periodic "Lessons Learned " reports.

(Sample format)

SCIENTISTS AND ENGINEERS FIELD EXPERIENCE WITH  
SOLDIERS (SEFEWS) REPORT

1. SEFEWS PARTICIPANT DATA:

- a. Name, date of birth
- b. Grade, classification series, job title, position title
- c. Organization name and address
- d. Telephone numbers
- e. Prior military experience
- f. Education degrees
- g. Work experience with technologies and/or weapons systems
- h. Type of SEFEWS experience sought

2. SEFEWS HOST ORGANIZATION DATA:

- a. Name of unit
- b. Name and rank of host unit commander
- c. Dates of trip
- d. Location(s) of trip
- e. Name of field training exercise
- f. Other personnel contacted



3. DISCUSSION OF SEFEWS EXPERIENCE:

a. Use this section to discuss experiences related to the equipment or weapons systems of interest. Include, as appropriate, performance or effectiveness, design adequacy, soldier interface, maintenance issues, logistics issues, and impact of the system on the tactics used by the organization.

b. Also include effects of climactic and environmental conditions on the equipment or weapons systems performance and how it effects the soldier's ability to effectively use and maintain the item. Discuss safety considerations related to soldier use, maintenance, operational safety under simulated combat conditions, and general safety issues.

c. Include human factors consideration, in use and maintenance of the item. Are there design deficiencies in weapons/equipment which demand dexterity, skills, or knowledge beyond individual training standards? What are the soldier's general comments or views relative to the item? Are soldiers using the guidance provided in technical field manuals?

d. Provide general comments on your specific experience. Was the duration too long or too short? Were your expectations fully met? Were you properly prepared for this training? How were you received by the host unit? Include any comments that may assist SEFEWS participants following you. Any other comments that may be useful.

4. RECOMMENDATIONS:

a. Concisely list recommendations relative to any aspect of the SEFEWS experience; improvements to specific weapons systems, information that should be generally considered by system designers, areas for technology base emphasis, and ways to improve the SEFEWS Program.

b. Recommendations are considered personal opinion and not an MSC position, however, participants are advised to review recommendations with their supervisors prior to submitting this report.

## APPENDIX B

## INDIVIDUAL EQUIPMENT AND CLOTHING LIST

ITEM DESCRIPTION	# ISSUED (EA)	ITEM DESCRIPTION	# ISSUED (EA)
Belt, Trousers, Blk	1	Glove Inserts	1 pr
Belt, Individ. Equip, Web	1	Mattress, Pneumatic	1
Boots, Cbt., Blk	1 pr	Band Helmet	1
Overshoes, Men's	1 pr	Liner, Cold Weather	1
Buckle, Belt, Trousers	1	Cover, Helmet Camouflage	1
Bag, Duffel	1	Case, Small Arms Ammo	2
Sleeping Bag	1	Case, Field First Aid Kit	1
Socks, Men's	4 pr	Coat, Cold Weather Men's	1
Shelter Half, Tent	1	Shirt Utility: BDU Ctn/poly	4
Canteen	1	Trousers, Ex Cold Weather	1
Cup, Water Canteen	1	Mask, Chemical-Biologi- cal, M25A1 or M17A1, as appropriate	1
Carrier, Sleeping Equip	1	Case, Sleeping Bag	1
Strap, Ass'y Sleeping Bag	1	Pole, Tent, Sections	6
Suspenders, Trousers	1	Rope, Tent	2
Suspenders, Individual Equipment Belt	1	Pin, Alum, Tent	10
Helmet	1	Tags, ID, Metal	2

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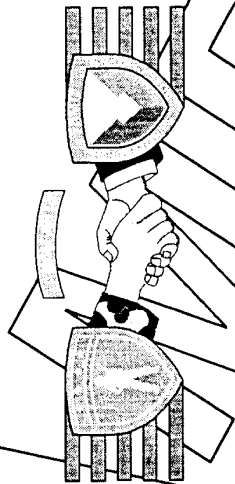
ITEM DESCRIPTION	# ISSUED (EA)	ITEM DESCRIPTION	# ISSUED (EA)
Chain, ID Tag	1	Cap, BDU	1
Cover, Canteen	2	Cap, Cold Weather	1
Poncho, Wet Weather	1	Trousers, Utility: BDU	4
Liner, Wet Weather Poncho	1	Field Pack: Nylon w/straps	1
Trousers, Wet Weather	1	Glove Shells, Leather Black	1 pr
Jacket, Wet Weather	1	Kit, Mess Cmpl	1
Intrenching Tool w/Cover	1	Suit, Chemical Pro- tective, (overgarmet)	1
Glove Set, Chemical Protective	1 pr	Hood, Chemical Protective, M5	1

NOTE: Cold weather gear above brought only if required.

# UNITED STATES ARMY MATERIEL COMMAND

## FIELD ASSISTANCE IN SCIENCE AND TECHNOLOGY

AMC Scientists and Engineers Field Assistance and Science Program



*Be it known that*

***John J. Smith***

*Belvoir Research, Development and Engineering Center  
has served in the AMC-SEFEWS program at the  
7th Infantry Division, Ft. Lewis, Washington  
during FTX Desert Winds*

*6 July 1992 - 19 July 1992*

C-1

*Director*

*Field Assistance in Science and Technology*

FAST Form 1  
15 Mar 93

*Commanding General  
United States Army Materiel Command*